

Fig.1A

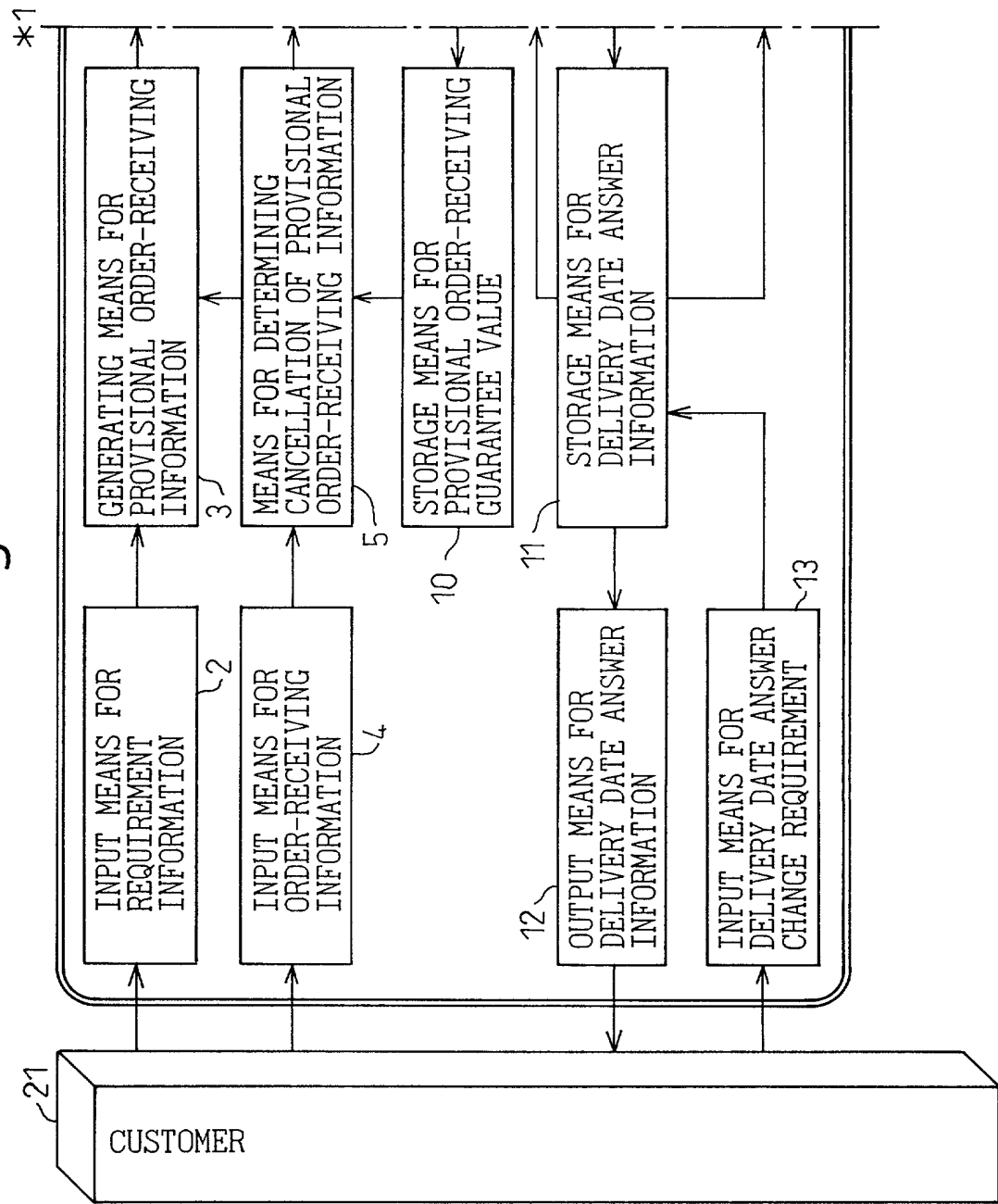


Fig.1B

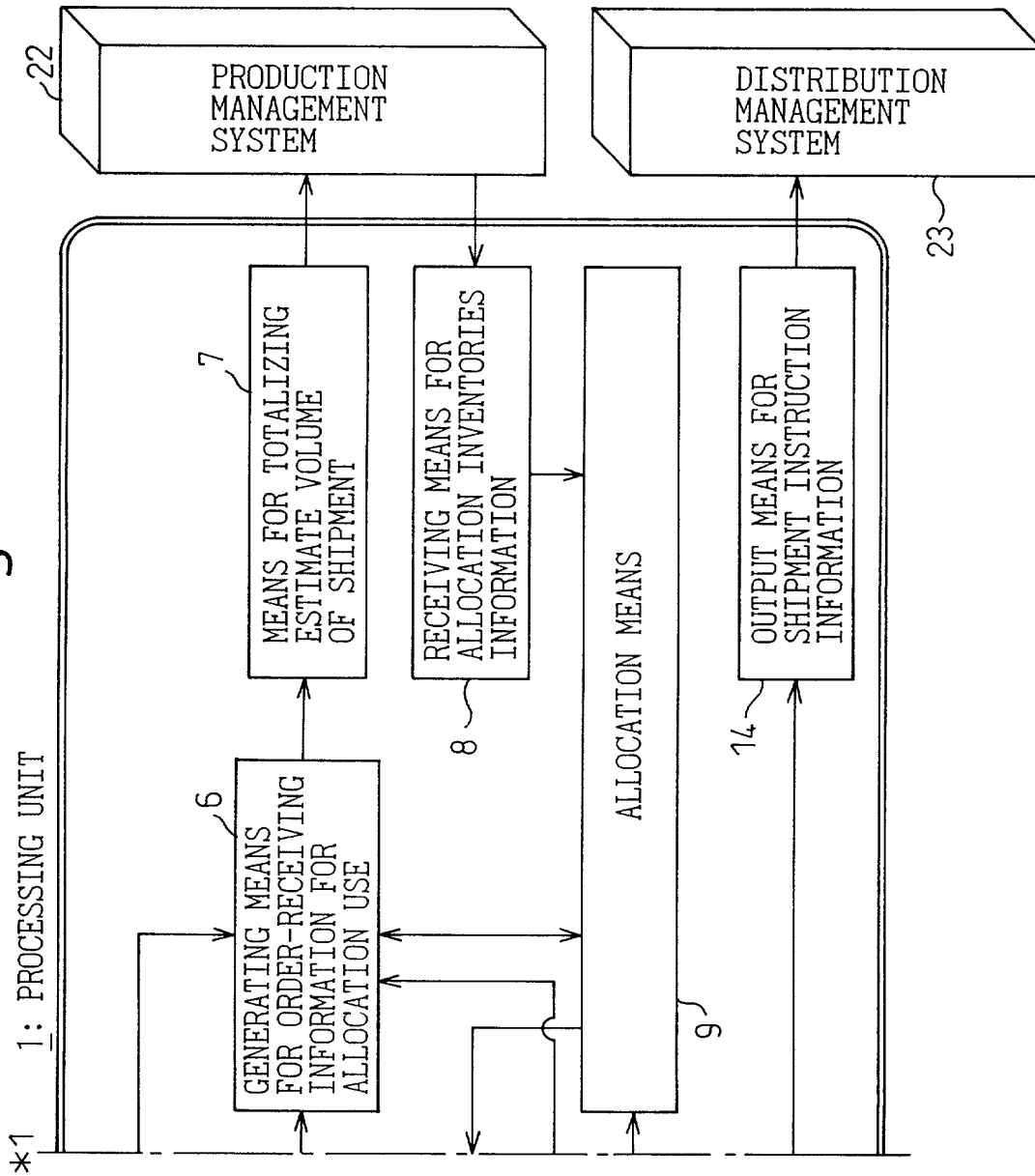
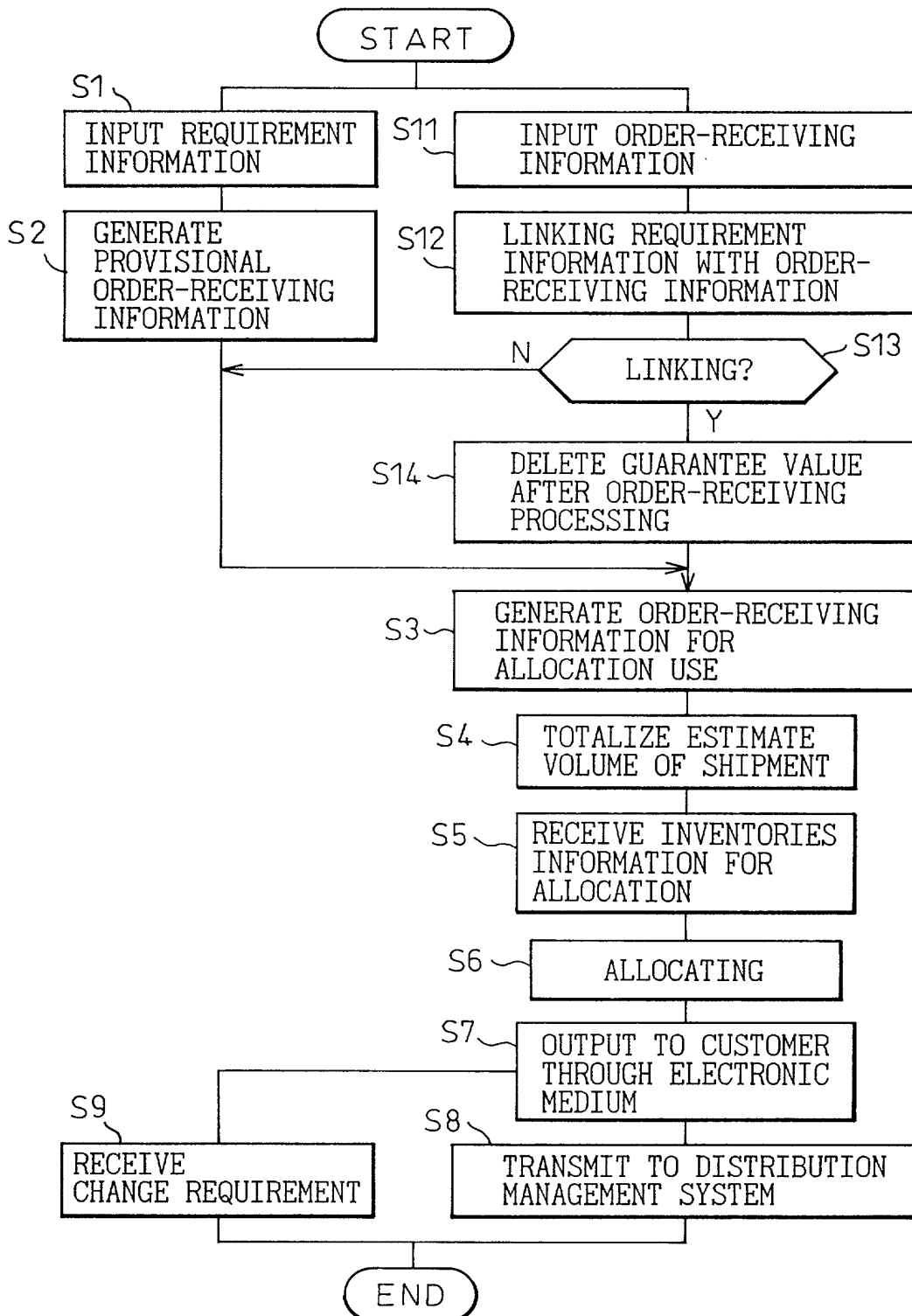


Fig. 2



# Fig.3A

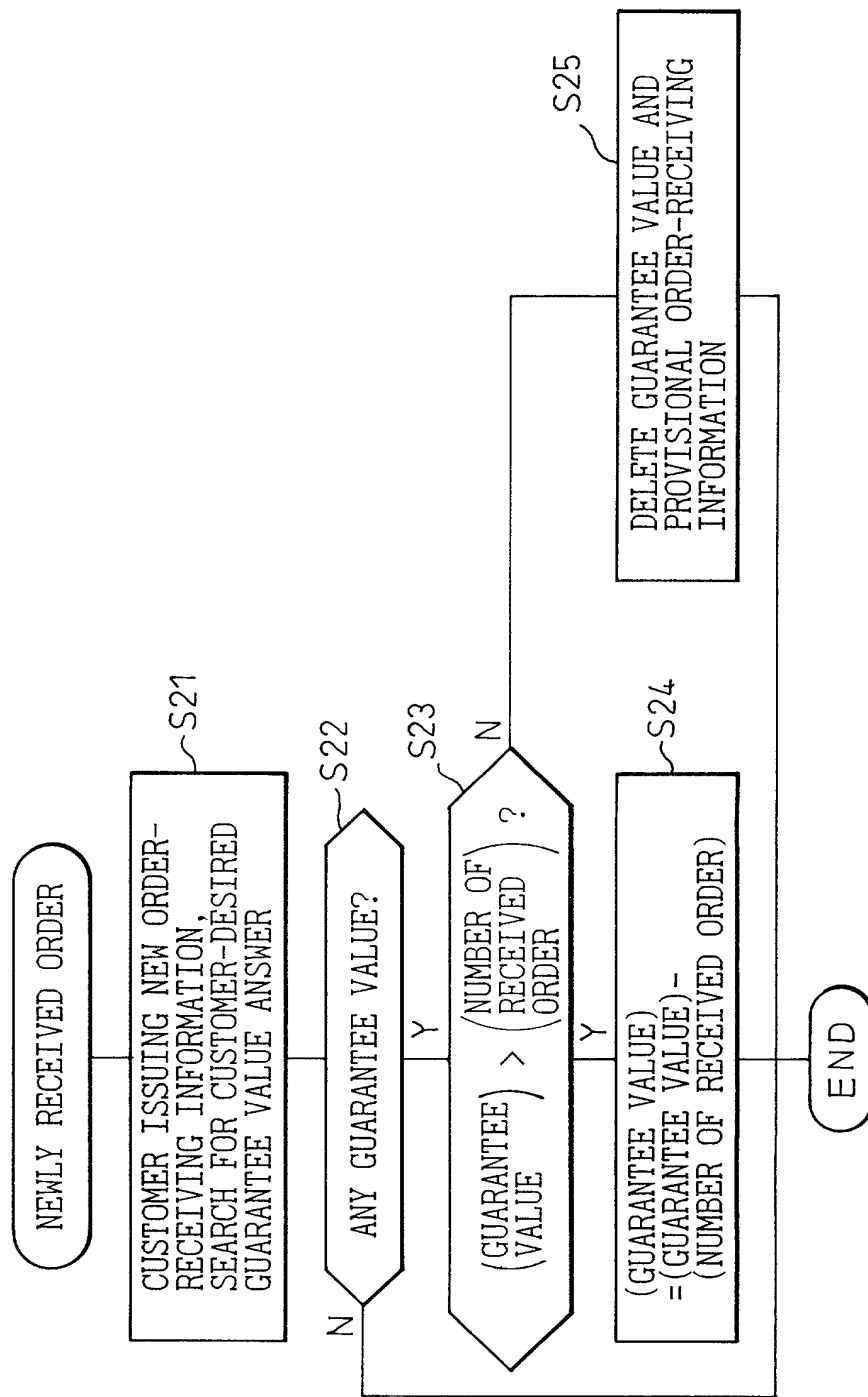


Fig.3B

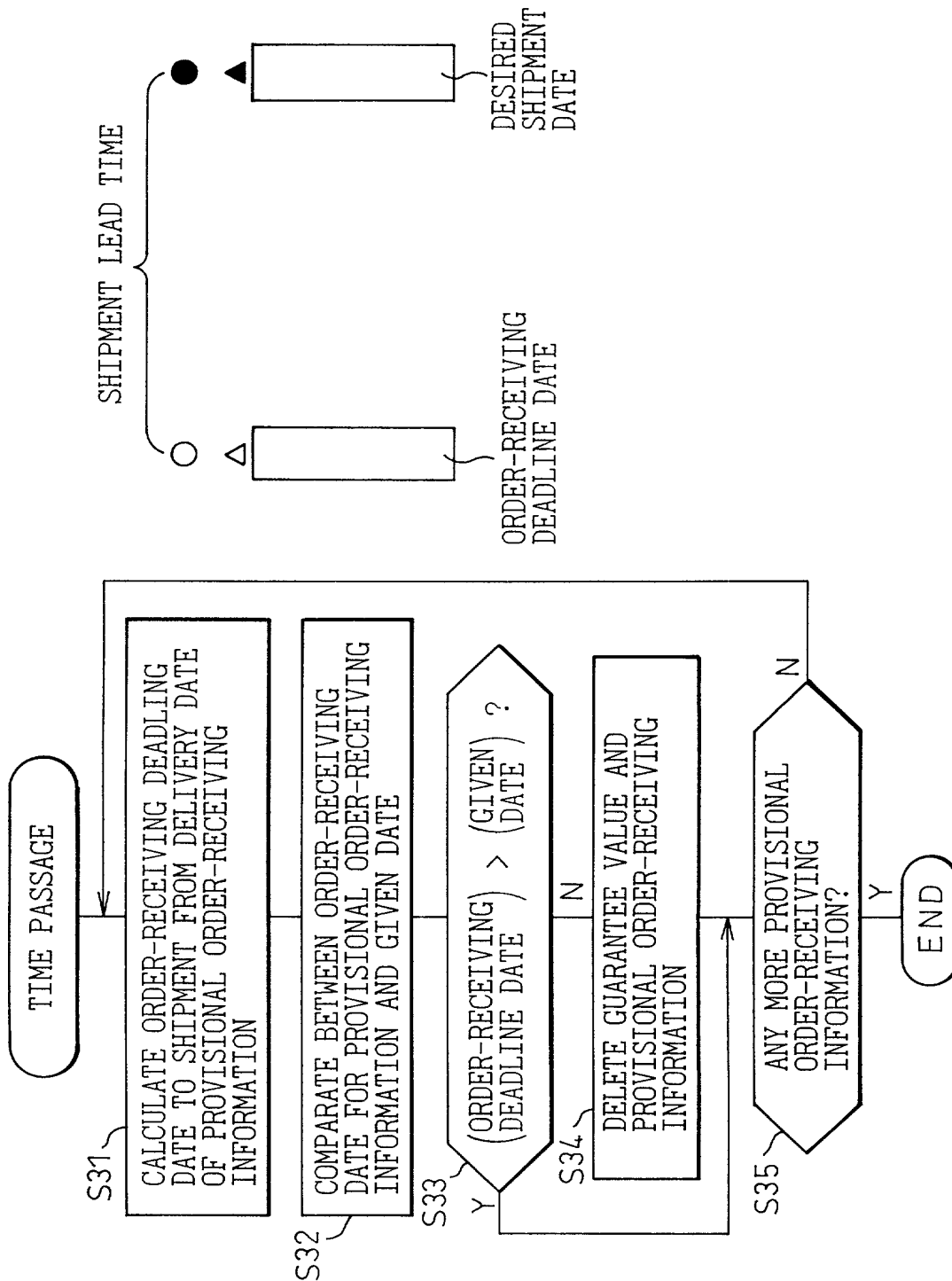


Fig. 4

(a)

	'00 30	'00 31	'00 32	'00 33	'00 34	'00 35	'00 36	'00 37	
a	120	80	90	100	70	85	70	90	
b	80	90	100	80	90	80	90	100	
c	50	40	60	20	0	80	60	45	
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	
z	55	15	74	60	40	35	70	80	

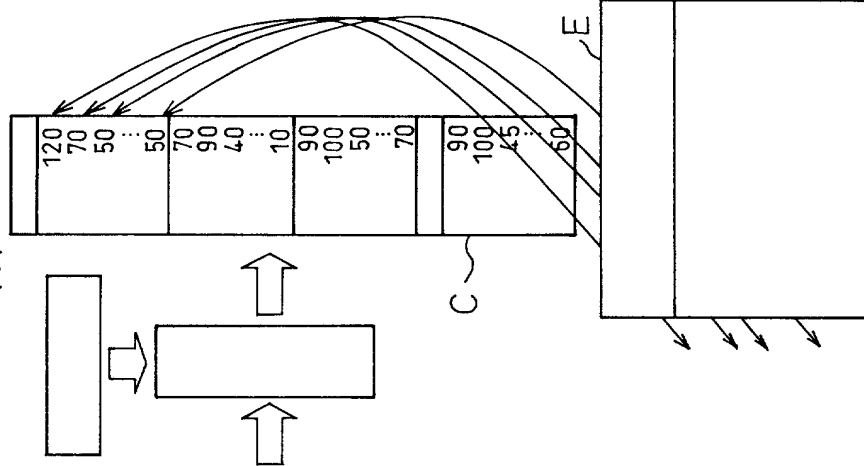
A

(b)

	200030	0001	a	7 31	120
a		0002	b	7 31	80
		0003	c	7 31	50
		⋮	⋮	⋮	⋮
		⋮	z	7 31	55
	200040	0001	a	8 7	80
		0002	b	8 7	90
		0003	c	8 7	40
		⋮	⋮	⋮	⋮
		⋮	z	8 7	15
	200050	0001	a	8 14	90
		0002	b	8 14	100
		0003	c	8 14	60
		⋮	⋮	⋮	⋮
		⋮	z	8 14	74
	⋮	⋮	⋮	⋮	⋮
	200080	0001	a	8 21	90
		0002	b	8 21	100
		0003	c	8 21	45
		⋮	⋮	⋮	⋮
		⋮	z	8 21	80

B

(c)



(d)

	1234567	0001	a	7 31	120
a		0002	b	7 31	40
		0003	c	7 31	80
		0004	⋮	7 31	50
		⋮	z	7 31	40

D

# Fig. 4A

(a) EXAMPLE OF REQUIREMENT INFORMATION FROM CUSTOMER

CUSTOMER	ARTICLE	00 YEAR 30 WEEK	00 YEAR 31 WEEK	00 YEAR 32 WEEK	00 YEAR 33 WEEK	00 YEAR 34 WEEK	00 YEAR 35 WEEK	00 YEAR 36 WEEK	00 YEAR 37 WEEK	00 YEAR
CUSTOMER a	ARTICLE a	120	80	90	100	70	85	70	90	90
	ARTICLE b	80	90	100	80	90	80	90	100	100
	ARTICLE c	50	40	60	20	0	80	60	45	45
	...	...	...	...	...	...	...	...	...	...
	ARTICLE z	55	15	74	60	40	35	70	80	80



GENERATE PROVISIONAL  
ORDER-RECEIVING INFORMATION



# Fig.4B

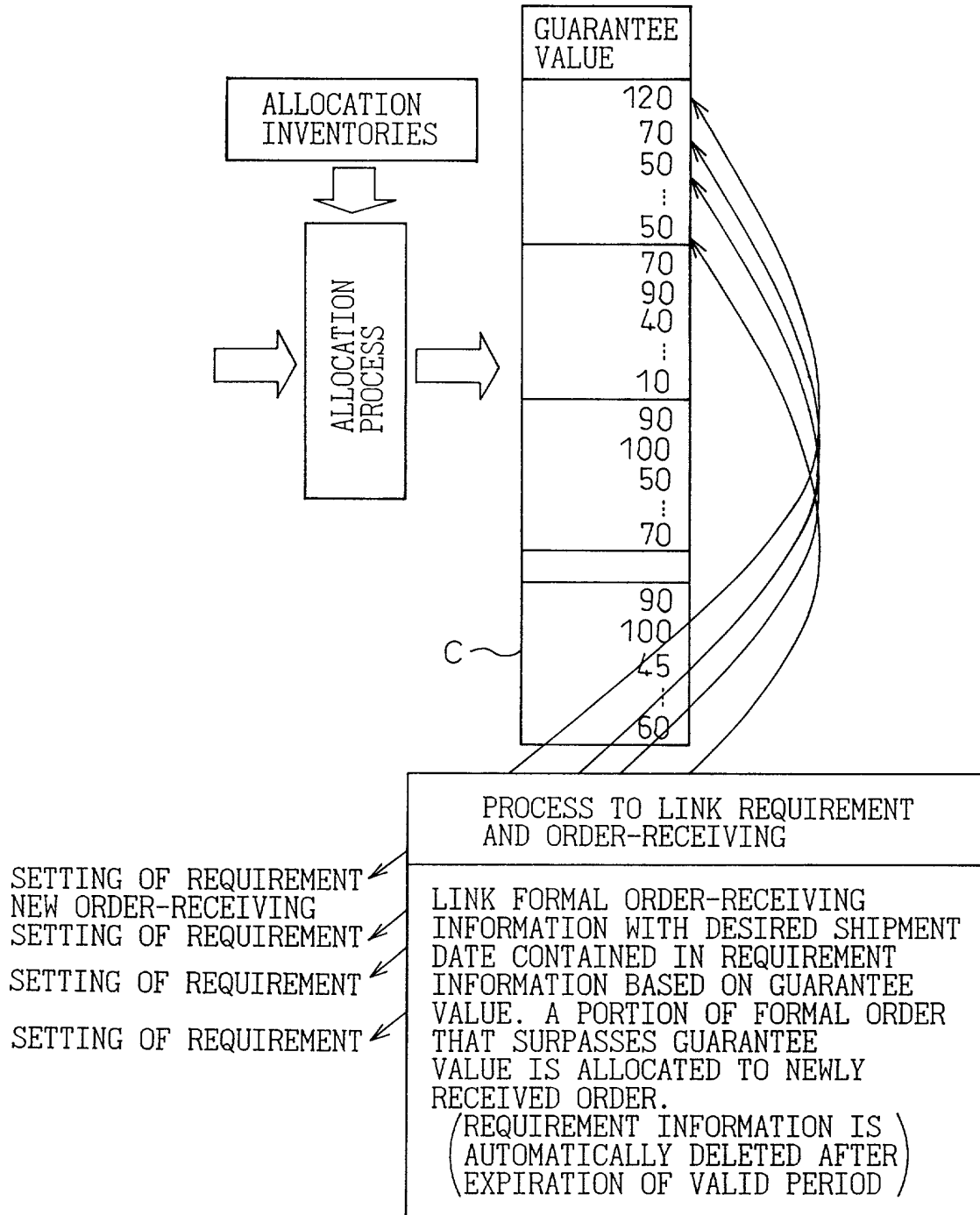
(b) EXAMPLE OF PROVISIONAL ORDER-RECEIVING INFORMATION  
GENERATED FROM REQUIREMENT INFORMATION

REGULAR CUSTOMER	PROVISIONAL ORDER NUMBER	SPECIFICATION NUMBER	ARTICLE	DESIRED SHIPMENT DATE	NUMBER OF PROVISIONAL ORDER- RECEIVING
CUSTOMER a	200030	0001	ARTICLE a	JULY, 31	120
		0002	ARTICLE b	JULY, 31	80
		0003	ARTICLE c	JULY, 31	50
		⋮	⋮	⋮	⋮
	200040	nnnn	ARTICLE z	JULY, 31	55
		0001	ARTICLE a	AUGUST, 7	80
		0002	ARTICLE b	AUGUST, 7	90
		0003	ARTICLE c	AUGUST, 7	40
		⋮	⋮	⋮	⋮
	200050	nnnn	ARTICLE z	AUGUST, 7	15
		0001	ARTICLE a	AUGUST, 14	90
		0002	ARTICLE b	AUGUST, 14	100
		0003	ARTICLE c	AUGUST, 14	60
		⋮	⋮	⋮	⋮
	200080	nnnn	ARTICLE z	AUGUST, 14	74
		⋮	⋮	⋮	⋮
		0001	ARTICLE a	AUGUST, 21	90
		0002	ARTICLE b	AUGUST, 21	100
		0003	ARTICLE c	AUGUST, 21	45
		⋮	⋮	⋮	⋮
		nnnn	ARTICLE z	AUGUST, 21	80



Fig.4 C

(c) EXAMPLE OF DELIVERY DATE ANSWER FOR PROVISIONAL ORDER-RECEIVING INFORMATION



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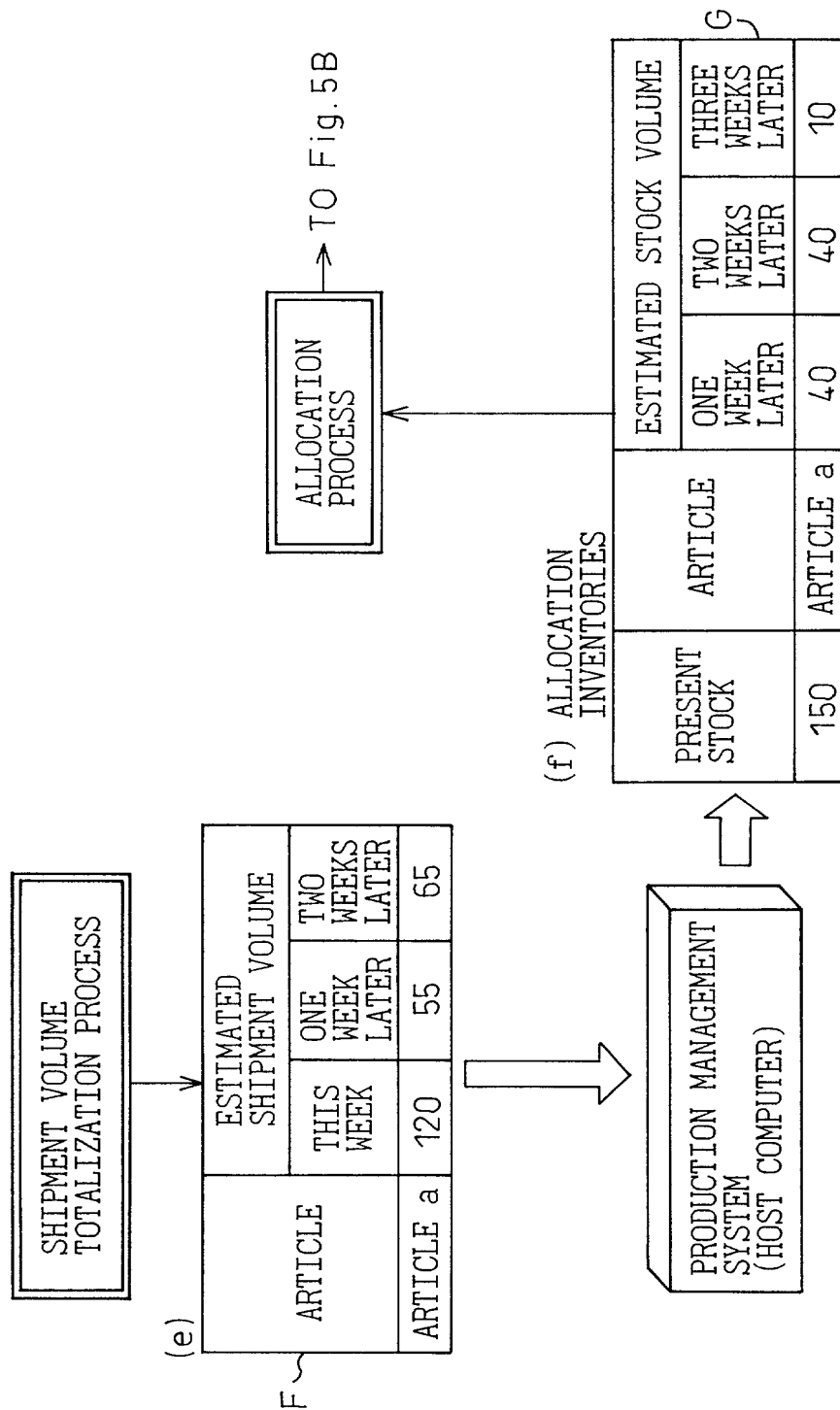
Fig. 4D

(d) EXAMPLE OF FORMAL ORDER-RECEIVING INFORMATION  
AFTER PRESENTATION OF REQUIREMENT INFORMATION

REGULAR CUSTOMER	ORDER NUMBER	SPECIFICATION NUMBER	ARTICLE	DESIRED SHIPMENT DATE	NUMBER OF RECEIVED ORDER	
CUSTOMER a	1234567	0001	ARTICLE a	JULY, 31	120	SETTING OF REQUIREMENT
		0002	ARTICLE a	JULY, 31	40	NEW ORDER-RECEIVING
		0003	ARTICLE b	JULY, 31	80	SETTING OF REQUIREMENT
		0004	ARTICLE c	JULY, 31	50	SETTING OF REQUIREMENT
		:	:	:	:	
}	D	nnnn	ARTICLE z	JULY, 31	40	SETTING OF REQUIREMENT

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Fig. 5A



# Fig. 5B

(g) DELIVERY DATE INFORMATION

CUSTOMER	ARTICLE	CLASSIFICATION	DELIVERY DATE	VOLUME	ALLOCATION RESULT
A	ARTICLE a	RECEIVED ORDER	THIS WEEK	50	THIS WEEK 50
A	ARTICLE a	RECEIVED ORDER	THIS WEEK	50	THIS WEEK 50
B	ARTICLE a	RECEIVED ORDER	THIS WEEK	20	THIS WEEK 20
A	ARTICLE a	RECEIVED ORDER	NEXT WEEK	30	NEXT WEEK 30
A	ARTICLE a	REQUIREMENT	NEXT WEEK	10	NEXT WEEK 10
B	ARTICLE a	REQUIREMENT	NEXT WEEK	15	NEXT WEEK 15
A	ARTICLE a	REQUIREMENT	TWO WEEKS LATER	40	TWO WEEKS LATER 40
B	ARTICLE a	REQUIREMENT	TWO WEEKS LATER	25	TWO WEEKS LATER 15
					THREE WEEKS LATER 10

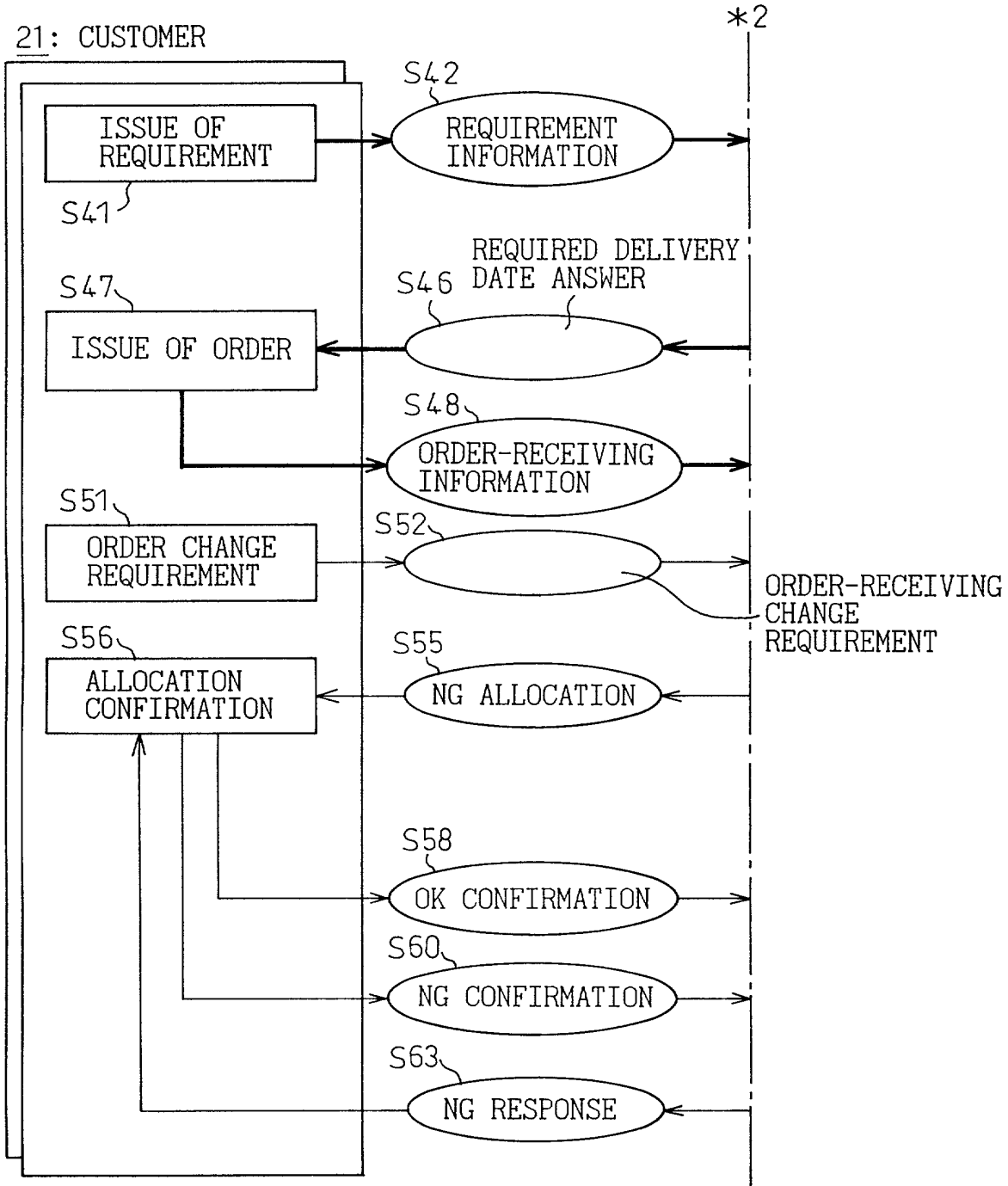
FROM Fig. 5A →

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H

DELIVER DATE  
ANSWER PROCESS

Fig.6A



[illegible]